

臺灣産擬步行蟲科の四新種

Descriptions on four new Species belonging to the Family Tenebrionidae from Formosa

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Oogeton makii, sp. nov.

Oval, convex, rather black, little shining and mostly naked. Head slightly excavated between the antennae, with the sides somewhat raised; the sutural line between the forehead and clypeus distinctly visible and somewhat channelled transversely; the clypeus much more strongly and coarsely punctate than on the forehead, the anterior rim of which narrowly reddish; the labrum transverse, feebly and irregularly punctured, with some golden gray hairs rather sparingly. Prothorax nearly semispherical, well emarginate at the anterior rim and rather straightened at the posterior margin, with the sides rounded off and the lateral margins somewhat excurved, very feebly and sparsely punctate on the surface and not pubescent. Scutellum very small triangular, feebly and minutely punctate. Elytra convex, distinctly and rather deeply striate with feeble punctation which is mostly obsolescent. Antennae dark reddish brown except the basal six segments which are almost naked and shining, the apical five segments entirely covered with short fulvous brush-like hairs, the apex of each segment light reddish, the first segment elongate conical, the second the shortest and nearly globose, the third the longest and slightly longer and slenderer than the first, from the fourth to seventh nearly equal respectively, then gradually shorter and wider following to the tenth, the terminal one the widest and diagonally truncate at the apex. Legs reddish black, but the coxae, the apices of tibiae and tarsi somewhat pale in colour, the lower apical halves of tibiae and all tarsi covered with golden fulvous brush-like hairs.

Length: 16 mm. Width: 8 mm. (The widest portion of elytra).

Only one specimen was collected by Dr. MOICHIRO MAKI on Mt. Ari in the province of Tainan, Formosa, in June, 1913.

Plesiophthalmus formosanus, sp. nov.

Oval, convex, charcoal-black, with the upper surface somewhat opalescent tint, under surface and legs little shining. Head excavated between the antennae, densely and very coarsely punctate, with short fine testaceous appressed hairs. Prothorax convex, widest at the base, gradually narrowing anteriorly and slightly arcuate at the sides, very

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densely and rather strongly punctate on the latero-anterior part, but much more feebly, finely and sparsely on the disc, especially on the middle of the basal part, with very short fine pubescence which is hardly visible except the latero-anterior part, sometimes a feeble longitudinal median line can be traced on the disc. Scutellum triangular, a little shining, with fine scattered punctation. Elytra punctate-striate, with the punctures rather uneven, the interstices not elevated, finely and minutely scabrous. Antennae, the second segment the shortest and nearly one third of the first which is rather elongate conical, the third nearly twice as long as the first and second combined, the fourth slightly shorter than the half of the preceding segment, the fifth nearly two thirds of the length of the third, the fifth following to the tenth gradually shorter and gently wider, the terminal one slightly longer than the preceding segment and slightly arcuate, the apical four segments rather hairy than remainder. Legs with short fine brush-like hairs on the anterior halves of tibiae (especially on the lower parts) and tarsi. In the male the hind margin of the fifth abdominal segment deeply emarginate, but in the female without any excision.

Length: 16-19 mm.

Nine individuals of this species have been collected from the various parts of northern Formosa. The sexuality, body length, locality, date of collection and collector are as follows:

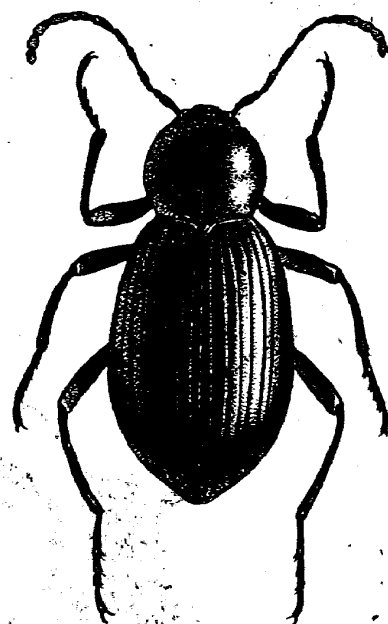


Fig. 1. *Oogeton makii*
MIWA, sp. nov.

Sexuality	Body length	Locality	Date	Collector
♂	16 mm	Sôzan	5-VI, 1932	Y. MIWA & M. CHUJO
♂	16½ mm	Urai	26-VI, 1932	M. CHUJO
♂	17½ mm	Ebosiyama	20-V, 1933	M. CHUJO
♂	17 mm	Sôzan	20-VI, 1937	Y. MIWA
♂	16½ mm	Sôzan	27-VI, 1938	Y. MIWA
♂	"	"	"	"
♀	16 mm	Kobayasi	29-VIII, 1923	T. SHIRAKI
♀	17½ mm	Sôzan	17-VI, 1931	M. CHUJO
♀	19 mm	Rimogan	12-V, 1933	M. CHUJO

***Strongylium insolitus*, sp. nov.**

Elongate, rather cylindrical, dark reddish brown, moderately shining on the elytra and lacking pubescence. Head concave between the antennae, very coarsely and strongly punctate, with the anterior margin narrowly reddish and impunctate; the punctation rather even on the forehead, but irregular, confluent and rather rugose between the eyes and on the vertex, with a median longitudinal channel slightly visible on the anterior part of the vertex. Prothorax nearly campanuliform, well margined especially at the base; the punctation on the whole surface very dense, strong, somewhat confluent.

and partly vermiculate, with a median longitudinal channel on the disc, on each side of which a deep fovea can be noticeable near the base. Scutellum triangular, partly punctured. Elytra much broader than prothorax at the base, punctate-striate, the punctures partly contiguous, the interstices not elevated, finely and rather sparsely punctate, besides feebly and transversely rugose, the apex of each elytron diagonally emarginate. Antennae rather paler, the apical five segments reddish, much more hairy than others and lustreless, the first segment nearly conical, the second the shortest and

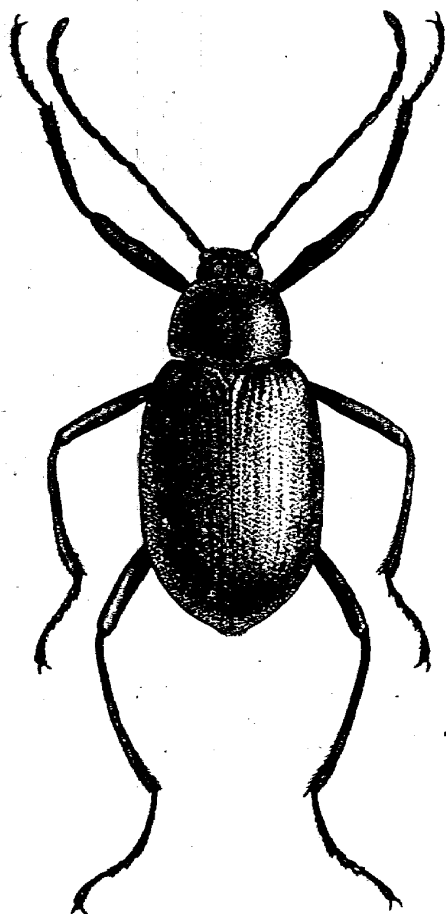


Fig. 2. *Plesiophthalmus formosanus*
MIWA, sp. nov.

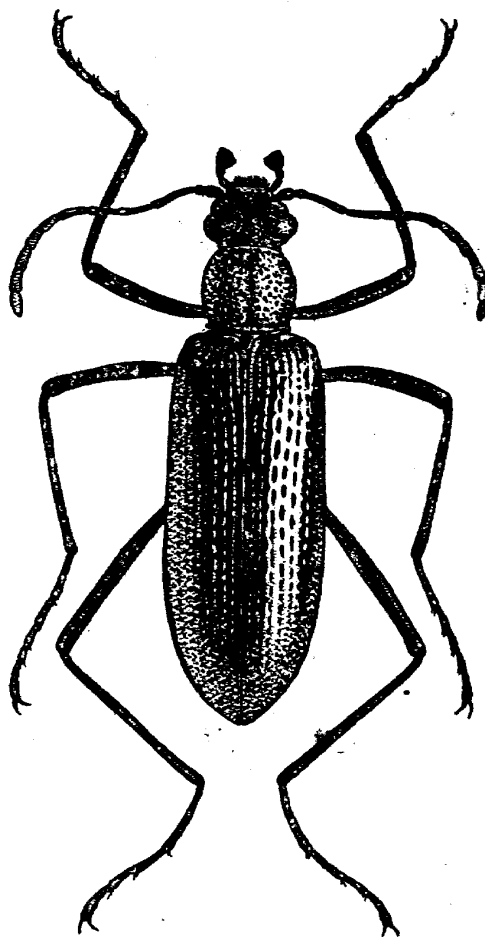


Fig. 3. *Strongylium insolitus*
MIWA, sp. nov.

globose, the third longest and twice as long as the first, then gradually shorter following to the tenth, the apical segment nearly oval and longer than the preceding one. Legs covered with golden brush-like hairs on the tarsi and the apical halves of the tibiae, the tarsi somewhat pale in colour.

Length: 26-28 mm.

Three individuals of the female were collected by T. OKUNI and J. SONAN during the expedition to Karenkô district, Formosa, from July 20 to August 4, 1919. One more female specimen measured 28 mm of the body length was collected by the author on Mt. Taihei in May, 1935.

***Strongylium sinuatipenne*, sp. nov.**

Elongate, rather parallel sided, metallic green with bronzy shining, the legs dark reddish except the anterior parts of the femora and tibiae deep cyanic green, but sometimes entirely metallic green, the apical two segments of abdomen and metapleurae often

antennae, very closely and strongly punctate on reddish. Head excavated between the forehead, but rather irregularly and somewhat confluent punctate between the eyes and on the vertex, with a median longitudinal canaliculation slightly visible on the anterior part of the vertex. Prothorax nearly cylindrical, but the widest at the base, gradually and very gently narrowing anteriorly, with the lateral margins mostly obsolescent; very densely and strongly punctate on the whole surface, but the punctures partly confluent and rather vermiculate on the disc, with a median longitudinal line distinctly visible; well margined at the anterior boader as well as posterior rim, but much more so at the latter which is distinctly elevated and somewhat sinuate. Scutellum triangular, relatively elevated and entirely impunctate on the anterior part, but strongly rugose on the posterior angle. Elytra wider than prothorax at the base, distinctly punctate-striate, the interstices elevated and somewhat costiform, with the dorsal part distinctly wavy on the first to fourth interstices, namely three or four concavities longitudinally arranged and separating each other by transverse elevations which lying on the dorsum between the first and fourth interstices of each elytron. Antennae rather slender, the basal five segments with somewhat metallic lustre, but the remainder dark reddish brown, hairy and lustreless, the first segment conical, the second the smallest and nearly globose, the third the longest and nearly twice as long as the first and second combined, from the fourth following to the terminal one gradually shorter and wider. Legs covered with golden brush-like hairs on the tarsi and the lower apical halves of tibiae.

In the male the fifth ventral segment of abdomen with a semicircular concavity and broadly emarginate at the apical margin.

Length: 21-25 mm.

Two males and six females have been collected from the various parts of Formosa as follows:

Sexuality	Body length	Locality	Date	Collector
♂	21 mm	Sintiku	VII, 1918	J. SONAN
♂, ♀, ♀	22 mm	Taiheizan	V, 1935	Y. MIWA
♀	23 mm	Mt. Hinoki	26-VII, 1938	N. IKEDA
♀, ♀	24 mm	Musya	VI, 1919	T. OKUNI
♀	25 mm	Hori	VII, 1938	Y. MIWA

Closely resembles *S. japonum* MARSEUL, in general aspect, but this new species has much larger body, more bright colour and relatively distinct elytral sculpture. The body length of the Formosan species beyond 20 mm in the smallest individual, while *S. japonum*, shorter than 20 mm in the largest individual.

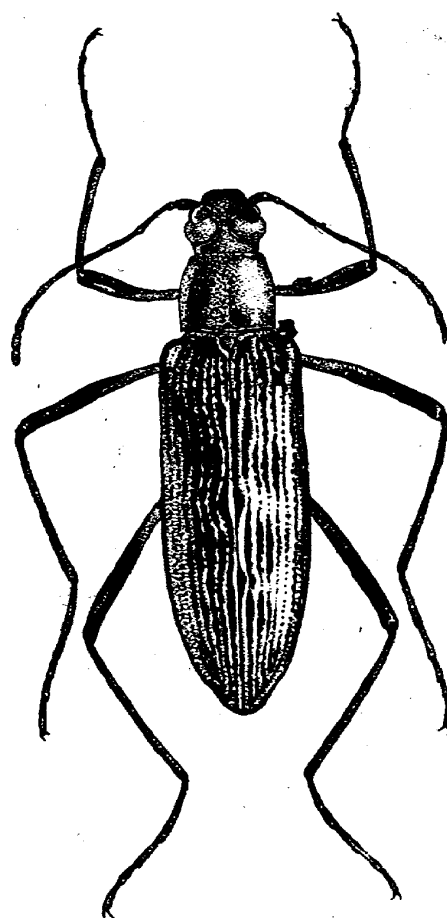


Fig. 4. *Strongylium sinuatipennae* MIWA, sp. nov.